

Telehealth / Telemedicine Solution (ODM & OEM)

IEI introduces the AfoBot, an assistant robot with 8" screen, to offer an open, flexible and affordable way to develop innovative devices with state-of-the-art components and to design applications based on Android 6.0 platform that can quickly be transformed into final solution.



Android Open Development Platform

IEI has released a SDK for the Android 6.0 open platform to enable developers, content creators, and service providers to build apps and value-added experiences for home, office, retail and healthcare industries.



Wireless Mobility

Sleek and compact design makes AfoBot a convenient device to any environments. With its built-in wireless functions, you can place AfoBot in the living room and use it as a multi-function remote controller to control your home devices, or use it as a conference control terminal that can improve your meeting efficiency.



Voice-Activated Robot

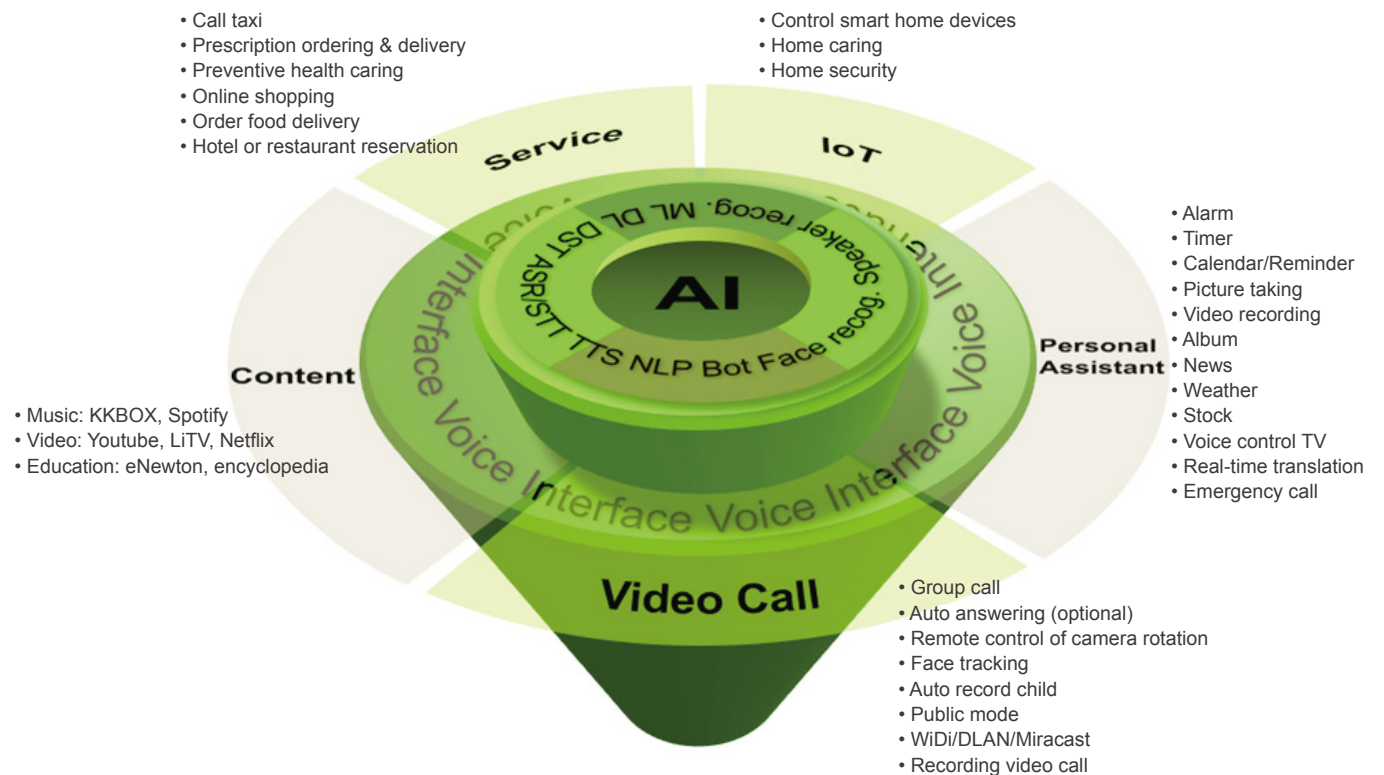
You can talk to AfoBot just like talking with your friends and family. AfoBot provides hands-free voice control, and enables you to launch programs, commands and actions via voice commands - you can ask or command AfoBot for information and get results or responses instantly.

- Voice and video call
- Auto answer calls from AfoTalk (iOS, Android) or other AfoBot.
- Conference recording
- Supports single or multiple peer calls
- On-line/Off-line voice recognition
- Echo cancelling, noise reduction, auto gain control
- 360° omni-directional audio





The Value of Software & Hardware Integration with AfoBot



AfoBot

8" TFT LCD with 1280 x 800 Full HD



Features

- 8" 16:10 IPS TFT LCD (1280x800)
- 8-core Cortex-A53 1.5GHz
- 32GB eMMC flash on-board
- 5-megapixel camera, 2592×1944@15fps, F2.2, FF, FOV 103.5° 1/4" OV5640 image sensor
- IEEE 802.11 a/b/g/n; 2x2 802.11n, Bluetooth 4.0
- 5200 mAh Li-ion battery (2 x 18650 3600mAh)
- Android 6.0



Specifications

| Model | AfoBot |
|-----------------------|---|
| Display | 8" TFT LCD with 1280 x 800 Full HD |
| Processor | 8-core Cortex-A53 SoC |
| Touch Screen | Projected capacitive touch screen with 10-point multi-touch |
| Memory | On-board 2 GB LPDDR3 |
| Video Codec | 4K*2K H.264/H.265, 4K*2K@60Hz |
| Storage | On-board 32GB eMMC 1 x microSD card slot |
| Wireless Connectivity | Wi-Fi 802.11 a/b/g/n dual band Wi-Fi Direct for Miracast Bluetooth 4.0, BLE support Wi-Fi access point |
| Power Adapter | AC Input: 100-240V AC, 50/60Hz DC Output: 12V 2.5A |
| Motion | Body: 360° horizontal pan (motorized) Camera: 100° tilt (motorized) Panel: 33° tilt (manual) |
| I/O Interface | 1 x USB2.0 Type C 1 x USB2.0 Type A 1 x GbE LAN |
| Camera | 5-megapixel camera, F2.2, FOV103° |
| Audio | 2 x Digital microphone 5W 4Ω stereo reflective speaker Echo cancelling, noise reduction and auto gain control |
| Operating System | Host: Android 6.0 Client APP: Android / iOS |
| Color | Pantone White and pantone 312C |
| Size | 271 mm x 213 mm x 136 mm |
| Weight | 1730g |
| Certificate | CE, FCC Class B and BSMI |
| Battery | Lithium Ion; 5200mAh; 3.7V; battery run time: 5 hrs |

Ordering Information

| Part No. | Description |
|----------------------------|---|
| AfoBot-F08A-AD6-TW-R21 | 8" Assistant Robot with 8-core Cortex-A53 SoC, Wi-Fi 802.11 a/b/g/n ,BT 4.0, 5MP webcam, PCAP touch, on-board 32GB eMMC,Android 6.0, Conexant CX20921, Wifi code: TW, R21 |
| AfoBot-F08A-AD6-BAT-TW-R21 | 8" Assistant Robot with 8-core Cortex-A53 SoC, Wi-Fi 802.11 a/b/g/n ,BT 4.0, 5MP webcam, PCAP touch, on-board 32GB eMMC,Android 6.0, 5200AH 1S2P Li-ion battery, Conexant CX20921, Wifi code: TW, R21 |
| AfoBot-F08A-AD6-EU-R21 | 8" Assistant Robot with 8-core Cortex-A53 SoC, Wi-Fi 802.11 a/b/g/n ,BT 4.0, 5MP webcam, PCAP touch, on-board 32GB eMMC,Android 6.0, Conexant CX20921, Wifi code: EU, R21 |
| AfoBot-F08A-AD6-BAT-EU-R21 | 8" Assistant Robot with 8-core Cortex-A53 SoC, Wi-Fi 802.11 a/b/g/n ,BT 4.0, 5MP webcam, PCAP touch, on-board 32GB eMMC,Android 6.0, 5200AH 1S2P Li-ion battery, Conexant CX20921, Wifi code: EU, R21 |

Options

| Item | Description |
|-----------------|---------------|
| 33502-000394-RS | EU power plug |
| 33502-000393-RS | US power plug |
| 33502-000392-RS | UK power plug |

Packing List

| Item | Q'ty |
|---------------|------|
| QIG | 1 |
| Power adapter | 1 |

AfoBot Dimensions (Unit: mm)

